

Converting Colors

CIELCh(19, 45.474, 38.411)

Have a look what the booklet for
CIELCh(19, 45.474, 38.411) contains.

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Color

CIELCh(19, 45.474, 38.411)

Conversions

Conversions Part 1

Format	Color
Hex	600D02
RGB	96, 13, 2
RGB Percent	38%, 5%, 1%
CMY	0.6250, 0.9507, 0.9939
CMYK	0.00, 0.87, 0.98, 0.62
HSL	7°, 97%, 19%
HSV	7°, 98%, 38%
XYZ	4.9320, 2.7468, 0.3150
YIQ	36.5630, 52.9990, 14.1750

Conversions

Conversions Part 2

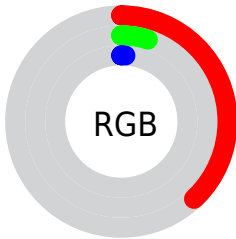
Format	Color
RYB	96, 14, 2
Decimal	6294786
CIELab	19.00, 35.63, 28.25
CIELCh	19, 45.474, 38.411
Yxy	2.7468, 0.6170, 0.3436
Android (android.graphics.Color)	4284484866 (0xFF600D02)
YUV	36.5630, -17.0396, 52.1262
Hunter-Lab	16.5735, 24.1151, 10.4746

Details

The CIELCh color **19, 45.474, 38.411** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **32, 21.514, 215.937**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 45.566, 38.491**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **19, 46.033, 38.581**, and if you desaturate by 10%, it is **20, 41.747, 37.934**.

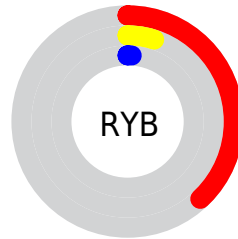
Distribution



Red (38%)

Green (5%)

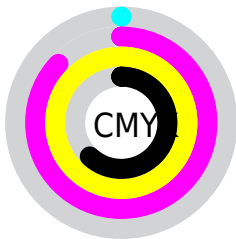
Blue (1%)



Red (38%)

Yellow (5%)

Blue (1%)

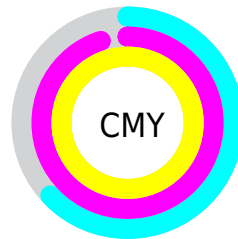


Cyan (0%)

Magenta (87%)

Yellow (98%)

Black (62%)



Cyan (63%)

Magenta (95%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 45.474, 38.411 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 19, 45.474, 38.411 by changing the saturation by 10% instead.

 19, 45.474, 38.411

 19, 45.474, 38.411

 100, 45.474,
38.411

 9, 45.474, 38.411

 39, 45.474, 38.411

 0, 45.474, 38.411

 49, 45.474, 38.411

 59, 45.474, 38.411

 69, 45.474, 38.411

 79, 45.474, 38.411

 89, 45.474, 38.411

 99, 45.474, 38.411

■ 19, 45.474, 38.411

■ 19, 45.474, 38.411

■ 19, 46.033, 38.581

■ 20, 41.747, 37.934

■ 22, 36.859, 36.768

■ 23, 31.390, 35.056

■ 26, 26.001, 33.646

■ 28, 20.820, 32.548

■ 30, 15.918, 31.725

■ 33, 11.328, 31.126

■ 36, 7.056, 30.700

■ 38, 3.093, 30.373

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19, 45.474, 38.411



32, 21.514, 215.937

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19, 45.474, 38.411



19, 45.474, 88.411



19, 45.474, 218.411



19, 45.474, 268.411

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19, 45.473, 38.414



42, 15.075, 31.261



21, 51.362, 333.054



20, 10.482, 31.429



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19, 45.473, 38.414



26, 58.439, 40.662



29, 39.413, 73.282



19, 2.100, 30.390



23, 53.190, 39.967



51, 97.877, 41.218

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32, 21.514, 215.937



42, 26.077, 216.863



17, 40.262, 290.375



19, 1.991, 210.352



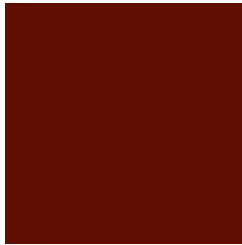
38, 24.164, 216.599



78, 42.067, 218.051

Previews

White Background



This preview shows how the CIELCh color 19, 45.474, 38.411 looks on a white background.

Color Contrast Check

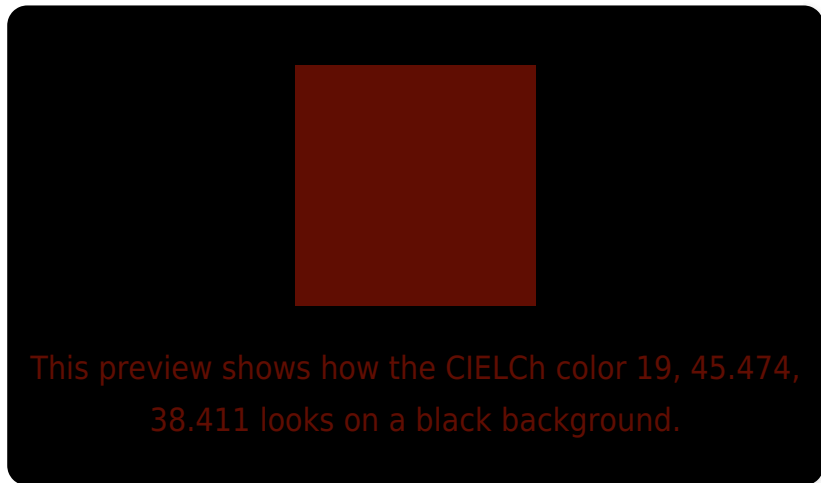
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

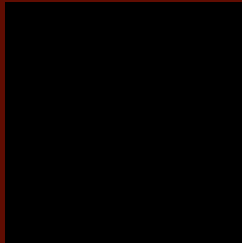
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 45.474, 38.411

Background



This preview shows how black text looks on a background with the CIELCh color 19, 45.474, 38.411.



This preview shows how white text looks on a background with the CIELCh color 19, 45.474, 38.411.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19, 45.474, 38.411

Protanopia

20, 23.662, 96.442

Deuteranopia

20, 28.826, 86.565



Tritanopia
19, 43.935, 34.615

Trichromacy



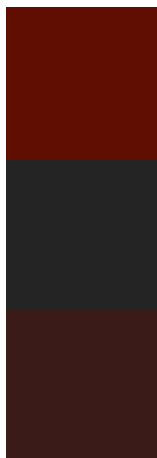
Original Color
19, 45.474, 38.411

Protanomaly
18, 27.215, 59.802

Deuteranomaly
18, 31.400, 58.070

Tritanomaly
19, 44.553, 35.937

Monochromacy



Original Color
19, 45.474, 38.411

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 17.611, 33.129

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 45.474, 38.411 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(96, 13, 2)` looks like.

```
.text, #text, p{  
    color:rgb(96, 13, 2)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(96, 13, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 13, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 45.474, 38.411 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 13, 2) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(96, 13, 2) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(96, 13, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 13, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(96, 13, 2); box-shadow:4px  
4px 4px 4px rgb(96, 13, 2) }
```

Background

The CSS property to change the background color of an element to CIELCh 19, 45.474, 38.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 13, 2) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(96, 13,  
2) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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